



# THE RARA E-RAG

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## "From Snail-mail to Radio-mail"

By Frank Schramm, WB2PYD  
Vice President, RaRa

Once upon a time messages were carved in stone, much like AF2K's logs still are today, then various forms of paper were invented and came to be the standard of record keeping and written messages. Over the past few decades, much to the dismay of the United States Postal Service, more and more written communications have transitioned to the electronic medium; most commonly e-Mail. E-Mail has evolved from casual obscure personal messages to delivering top secret, urgent mission orders to our soldiers at the forefront of our National Conflicts around the world.

How important e-Mail is to you, as in individual, varies for each of us. Personally all I get are notes from your newsletter Editor pestering me for my monthly contribution; which is always submitted as the printer is about to set his type. So I can live without it for a few days a month, but what about more important communications? How long can you go without e-Mail?

Whether there is a prolonged utility outage, you're cruising the world on your new mega-yacht, camping in Appalachia, or you forget to pay your Time Warner bill and you can't access the internet and your regular e-Mail system; you can still get your e-Mail and keep in touch with family and friends. How? With WinLink! WinLink lets you can send and receive e-mail from just about anywhere! With WinLink you don't need an internet connection, just your radio. Jim DiTucci, N2IXD and Ross Mazzola, KC2LOC will explain everything you need to know to get started using WinLink - the Global Radio E-Mail System.

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## The Prez Sez

By Duane Fregoe, K2SI  
President, RaRa

As 2009 draws to a close it is time to look back and find some good in the past 12 months. Economically it has not been a great year so let's review the ham radio related positives.

2009 began with Hamfest turmoil. The Hamfest as we knew it was on major life support and the plug was pulled at the end of 2008. A small group banded together and took the lead in the production of an all new Hamfest. As we got closer to the event and the excitement increased the group got larger with more volunteers eager to help. The end result was a wonderful Hamfest that was enjoyed and praised by many.

The Rochester Amateur Radio Association is a very healthy club. We are financially strong due to the dedicated work of the Board of Directors and the Officers. We have continued to keep our membership at over 500 members. Attendance at the monthly meetings is strong. There is something good out there that keeps our members coming back year after year. The 2010 Hamfest Committee has already sweetened the deal by offering free admission to all RARA members for the 2010 Hamfest.

Our official monthly publication, "The RARA RAG", has a digital cousin. The digital RAG has been growing and maturing for well over a year now. The revised layout, unlimited article space, and the increased use of color photos have made it a more enjoyable read whether you read it from your monitor or print out a color copy.

New in 2009 was the ability to renew your membership on-line or sign up for a new membership on-line. As we all try to figure out ways to get younger people more involved in the hobby the ability to process memberships on-line is a plus for the younger crowd. At all VE testing sessions we make it clear that all new technician licensees can join at a reduced rate prior to getting their new call sign and the website makes it easy to join.

2010 will continue to be an exciting year as the club continues to transition for the future. Before 2009 closes I would like to wish everyone a Merry Christmas and a Happy New Year. Hopefully Santa will have lots of ham gear on the sleigh this year as he approaches your QTH.

I am looking forward to seeing everyone at our next meeting on January 8, 2010. As always the coffee will be hot, the soda will be cold, and the donuts will be fresh!



## Calendar of Events

- Jan 8** RaRa meeting  
7:30 PM, Henrietta FD #1
- Jan 13** RaRa Board of Directors  
5:30 PM, RIT  
Bldg-17, Room 2110
- Jan 16** VE Testing  
10:00 AM, RIT  
Bldg-9, Room 3139
- Jan 19** RDXA  
7:30 PM, 1190 Scottsville Rd  
Rm 200
- Jan 22** RRRA  
8:00 PM, Pittsford Town Hall

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\*Mom of Max, KC2SPY



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## SKYWARN Recognition Day 2009

By Duane Fregoe, K2SI  
RARA Public Service Coordinator

SKYWARN Recognition Day 2009 was held on December 5<sup>th</sup>. Ham radio operators from Western New York were allowed to get on the air from the National Weather Service (NWS) Office in Buffalo with the call WX2BUF. This is a 24 hour special event that can use local repeaters, Echolink, IRLP, PSK-31, and the HF bands. A total of 14 licensed amateur radio operators participated this year in Buffalo. The NWS in Buffalo made a total of 324 contacts of which 48 were with other NWS offices across the country. There were approximately 100 NWS sites scheduled to participate in the event. Bill Kasperkoski (WB2SXY), Pam Kasperkoski (W2PHK), and I (K2SI) were participants from the Rochester area.

Many thanks to Mike Rink (W2HYP) for allowing the NWS in Buffalo to link and use the 145.110 and 444.250 repeaters. These repeaters were then linked to the WX2BUF Echolink node. So if you heard a lot of strange things happening on the 145.110 repeater on December 5<sup>th</sup> it was all for SKYWARN Recognition Day.



Bill (WB2SXY) and Pam (W2PHK) operating PSK-31  
at the NWS in Buffalo.

## VE NEWS

At our November 21st licensing test session we welcomed 11 new Technicians, and upgraded 5 Generals and 4 Extras!

Connor	Baltutis	KC2WET	T
Kelly	Brennan-Jones	KC2WEU	T
Robert	Carson	KC2WEV	T
Daniel	Fenton	KC2WEW	T
John	Hess	KC2WEX	T
Zachary	Keep	KC2WEY	T
Timothy	Kelley	KC2WEZ	T
Murray	Kopit	KC2WFA	T
Elizabeth	Reid	KC2WFB	T
Victoria	Reid	KC2WFC	T
Thomas	Seibert	KC2WFD	T
Jameson	Finney	KI4JOA	G
Richard	Gielow Jr.	KC2VQY	G
Gerald	Oliver	N2LQN	G
David	Sterner	KC2GZM	G
Alexander	Wise	KC2WFE	G
Bobby	Marshall	KC2TJQ	E
Thomas	Meggison	KC2VLD	E
Harold	Schutt	KC2UTH	E
Gary	Skuse	KA1NJL	E



**RaRa Amateur Radio  
License Testing is held on  
the 3<sup>rd</sup> Saturday of each  
Month, September through  
April.**

**Registration begins at  
10:00AM in RIT Building 9,  
Room 3139  
([click for map](#))**

**Contact Ken Hall, W2KRH  
for space reservations.**



## ARRL Books Donated to Gates Library In Memory of Dave Hassett (K2SQI)

By Duane Fregoe, K2SI  
President, RaRa

On December 11, 2009 Bill Kasperkoski (WB2SXY) and I (K2SI) made a donation of ARRL books on behalf of the club in the memory of Dave Hassett (K2SQI) who became a silent key in 2008. Accepting the books was Karen Kase-McLaren who is the Director of the Gates Public Library. Dave played a big part in the education activities of the club and these books will continue to educate future hams.

Included in the set of books is the ARRL Handbook, ARRL Antenna Book, ARRL Operating Manual, ARRL Satellite Handbook, Ham Radio License Manual, ARRL General Class License Manual, ARRL Extra Class License Manual, Understanding Basic Electronics, RFI Book, ARRL Instructor's Manual, Getting Started with Ham Radio, and the FCC Rules and Regulations for the Amateur Radio Service.



L to R: Duane Fregoe (K2SI), Karen Kase-McLaren (Gates Library Director), Bill Kasperkoski (WB2SXY)



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### RaRa Club LOGO Items



The Holidays are just around the corner; RaRa logo items are as great to give as they are to receive!

<http://www.rochesterham.org/logo.htm>

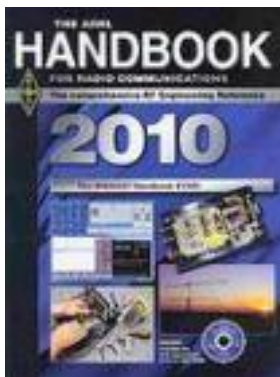
## Awards Thoughts

By Dan & Sue Waterstraat, W2DEW & KC2SUE

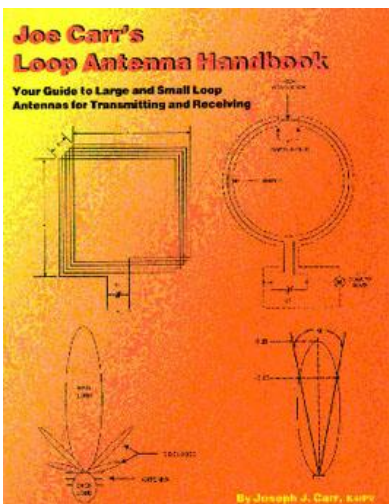
Hello and Happy New Year from the raffle team. The first prize we are offering for 2010 is the ARRL 2010 Handbook. More than 60 authors and reviewers contributed over 70% NEW or completely revised content, making this the biggest Handbook...ever (over 1,250 pages). Including all new treatments of digital communications technology, solid-state RF power amplifiers and switch-mode power supplies. Plus, even MORE NEW PROJECTS:

- 250-W solid-state amplifier for 160-6 meters.
- Variable-voltage bench supply using switch-mode modules.
- Antennas! Extended double-Zepp, multi-band horizontal loop and inexpensive Yagis for VHF/UHF.
- Station accessories, including a high-power 160/80 meter matching network for 43 foot verticals, a 100 W Z-match antenna tuner and transmitting chokes.

...and MORE! CD-ROM Included! Includes the fully-searchable book and new design software on CD-ROM.



Our second prize is a pair of Ideal 6" needle nose pliers with built in wire stripping and terminal crimping slots. Also included with this prize is an Ideal 1/4" x 4" screwdriver which has a wire nut tightening socket on the handle end.



In the library dept. we have Joe Carr's Loop Antenna Handbook. This book covers construction and theory for large and small loops used from longwave, HF, and VHF. This book can help you dig out those weak 160 meter signals on cold winter nights. So come on out and have a doughnut, coffee, or pop, and win a prize!

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## RaRa Rag 20 Years Ago: January, 1990

By Ed Gable, K2MP  
RaRa Historian



January's meeting saw the return of a popular local lecturer and communications engineer. Speaking on the then technical breakthrough of spread spectrum, or PSK modulation techniques was Fred Cupp, W2DUC. Fred did his usual great job of describing high tech matters in easy to understand language and had a working model to demonstrate as well. RaRa meetings at that time were held at the 40 & 8 Club on University Avenue, with President Bob Hobday, N2EVG, at the helm.

Writing for the RDXA was Bob Fortman, WE2T, who invited members to the January meeting where a panel of experts will discuss and answer questions on radio propagation. Also featured at RDXA meetings was the ability to take your QSL cards to a meeting and use the expensive, RDXA-owned DX Callbook, to look up addresses. Such were the pre-internet, pre-QRZ.com days.

Also in a recurring *RaRa Rag* column, readers found "Van" Van Griethuysen, N2BNE, writing for the Rochester Area Packet Society, RAPS. Van had the interesting tag line "I Got A New Packet Radio TNC for Christmas, Now What do I do With it?" That question will be answered at the next meeting of RAPS, held every second Thursday of the month, at 111 Westfall Road, with President Keith Hibbert, KE2DI, keeping everything running smoothly.

Recognized in this issue was a Spencerport Amateur, C. Friend Stafford, W2AAU, (sk) who, for the last 20 years, won the OM side of the YL/OM contest for the WNY section. Twenty years of YL chasing, think about it!

In the start of what would become commonplace, Exxon Oil announced that it would remove all trained Radio Operators from their oil tankers, saying "*radio telegraphy is now obsolete.*"

From the Want Ads you could buy an ICOM IC-900, with 146, 220 and 440 MHz modules from Len Gessin, WA2ZNC for \$850.00, Michael Rice, KB2SG, Attorney At Law, remained a long term advertiser.

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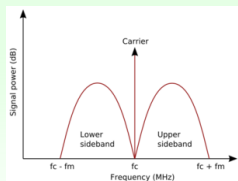


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## Sidebands: Amateur Radio in the News

By Larry Wallnau, W2ZEY

**The FCC and The Big Switch.** So what has FCC chairman Julius Genachowski been reading lately? According to Cecilia Kang of *The Washington Post*, the FCC head is engrossed with *The Big Switch: Rewiring the World from Edison to Google*, a book by Nicholas Carr. The book is about the transition that took place in industry and business in which companies stopped generating their own energy and purchased inexpensive energy from utility suppliers off an electric grid. The author shows how this transition led to the technological world of today. And the book suggests that in this new technological era, the utilities are computer companies and the grid is the internet. It is interesting that in December, the FCC was preparing to present proposals for a national broadband grid. Genachowski views a broadband internet grid as a necessity, like other utilities such as electricity. For more information on *The Big Switch*, go to:

<http://www.nicholasgcarr.com/bigswitch/>. *The Washington Post*

**FCC Issues NPRM on Vanity Calls.** The FCC has issued a Notice of Proposed Rule Making to clarify and amend the rules relating to vanity call signs. The NPRM is described in WT Docket No. 09-209 at <http://tinyurl.com/ydzuzx>. The pdf file for this docket has links so that you may submit comments on the proposed rule changes. Since the program began in 1996, there have been approximately 80,000 vanity call signs issued by the FCC. *The ARRL Letter*

**Battleship Special Event.** Members of the Azalea Coast Amateur Radio Club held a special event on the Battleship North Carolina in Wilmington to commemorate Pearl Harbor Day. The ham radio operators used the original equipment in the radio room of the ship. The members of the club have been restoring the equipment in the radio room aboard the North Carolina. For details, go to <http://tinyurl.com/yc5r9eu>. *Star News Online*, Wilmington.

**Vibroplex Sold, Moving.** Scott Robins, W4PA, has purchased Vibroplex, the maker of the original "bug" keyer. Robins will move the company from Mobile, Alabama to Knoxville, Tennessee. According to the ARRL, Vibroplex is the oldest continuously operating business serving ham radio, having been founded in 1904. Robins will be leaving his job at Ten Tec to take over Vibroplex. *The ARRL Letter*

## RaRa Memorial Scholarship

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Deadline  
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## Shorts & Sparks

By I. M. Zapped, FZZ1POP  
Reporting From the Geek Isles

**Ham Apps for iPhone and iPod Touch.** If you have one of these popular Apple "i-devices" then you are in luck. McSnyder Software has created ham radio applications for your favorite Apple device. These applications include the ARRL Technician Q&A, ARRL General Q&A, and ARRL Extra Q&A. They are "flash card" type programs that test the user on the material covered on the exams for those license classes. The programs are intended to be ancillary study materials for the ARRL license manuals. They can be downloaded from the Apple iTunes Apps Store website. Each application costs a mere \$1.99.

**LC Calculator.** Here's a nifty online calculator for the resonant frequency of a simple tuned LC circuit. Just plug in values for capacitance and inductance and select "calculate". Go to <http://www.ham-radio.com/lc.html>

**Antenna Design Website.** Here is an interesting website devoted to antenna design and software sponsored by smeter.net. It covers a good (although not exhaustive) variety of design types and has several tutorials for using the MMANA modeling program. It also has a link for downloading a copy of the software. There are links on the design pages for more information or for computational software (e.g. for loading coil design). The site is a great starting point.

See <http://www.smeter.net/antennas/antennas.php>

**Information for Classic Test Equipment.** Looking for a manual for an RCA Senior VoltOhmyst? Got an Eico RF signal generator to restore but you don't have the schematic? How about a manual for that Hickock tube tester you picked up at a Hamfest? You can find links for these classics and more at <http://tinyurl.com/ybc3psz>

**Assorted and Sundry HF Nets.** Looking for an interesting HF net? Perhaps one for users of old tube gear? Or Pacific island DX? Or maybe the Africana Net sounds interesting? The AC6V website has a list of HF nets with details. Some of the entries have links to the home page of the organization that sponsors the net. Visit <http://www.ac6v.com/nets.htm>

## Visit the RaRa photo gallery



Pictures of you and your friends "Hamming it up".

If you have photos to share, send them to KC2PCD; Len will add them to the galleries.



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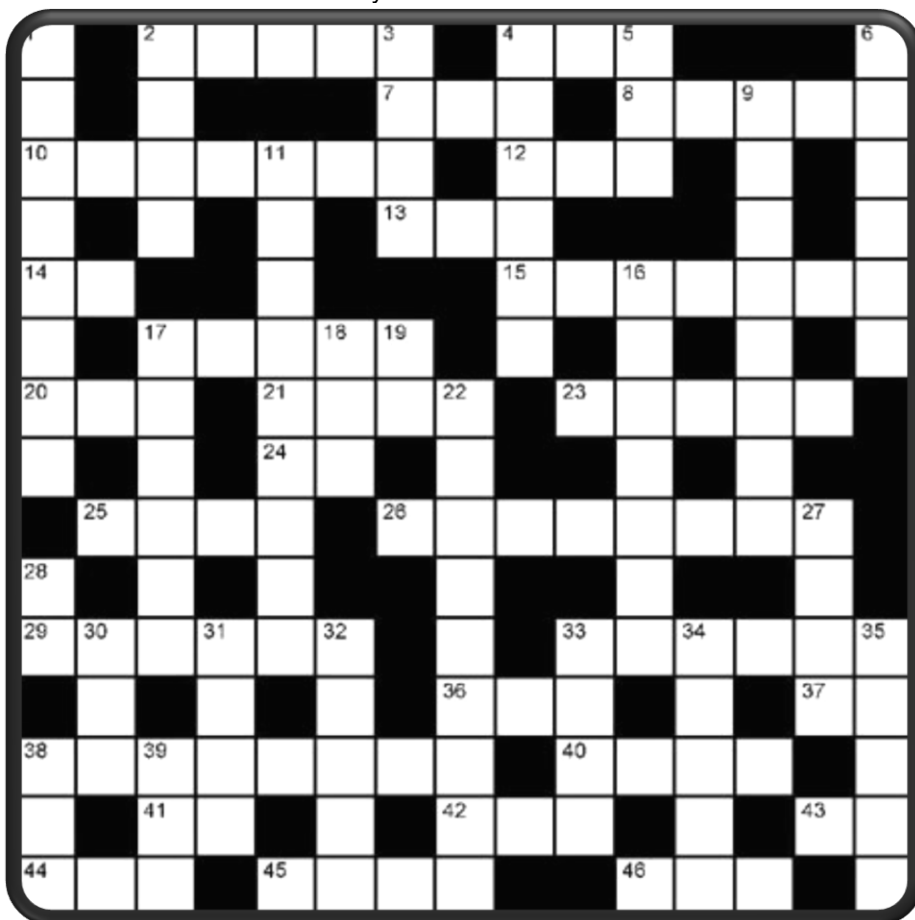
# The Amateur Radio Crossword Puzzler (#113)

By H. Ward Silver, N0AX

Crossword puzzle fans know that puzzle makers are often fond of, or desperate for, abbreviations and acronyms to flesh out those pesky blank spaces. This time we turn the problem on its head, or rather, your head. The clues are the abbreviations, prosigns, and Q-signals. The solutions are words closely associated with the clue.

## Across

- 2. HI
- 4. LID
- 7. MD
- 8. OT
- 10. CL
- 12. SK
- 13. HW
- 14. CHK
- 15. Spell
- 17. Mix
- 20. LSN
- 21. Sea GND
- 23. LTR
- 24. QLF (abbr.)
- 25. QSB
- 26. QTC
- 29. QRQ
- 33. QRN
- 36. INT (opp.)
- 37. CC (volume)
- 38. QTH
- 40. K
- 41. Where U R
- 42. Officer
- 43. Connected to NA
- 44. Pale
- 45. KN
- 46. Sum



See next month's **RaRa e-RAG** for the solution.

## Down

- 1. QSL
- 2. Round ANT
- 3. QRO
- 4. QRS
- 5. Not VOX
- 6. Make
- 9. QST
- 11. QRM
- 16. QSO
- 17. What BK does
- 18. QNI
- 19. From
- 22. QRG
- 27. WFWL
- 28. Paired with RF

- 30. Much ABT NIL
- 31. TT
- 32. Rule
- 33. QRT
- 34. GA
- 35. Good WX
- 38. QRP
- 39. Headphone

Last month's solution



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## DEPARTMENT HEADS:

Awards / Raffle Administrators ..... Dan Waterstraat, W2DEW  
..... Sue Waterstraat, KC2SUE  
Club Historian ..... Ed Gable, K2MP  
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Hamfest Producer ..... Frank Schramm, WB2PYD  
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RaRa e-RAG Editor ..... Frank Schramm, WB2PYD  
Refreshments Coordinator ..... Tom Austin, KA2GXX  
Webmaster ..... Frank Schramm, WB2PYD

RaRa meets on the first Friday of each month  
from September through May. Come join us at:

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**Henrietta, NY 14467**

[Get Directions](#)

## Rochester Area Radio Club Contacts

### Antique Wireless Association (AWA)

Lynn Bisha, W2BSN ..... [lbisha@rochester.rr.com](mailto:lbisha@rochester.rr.com)

### Drumlins Amateur Radio Club Ltd. (DARC)

Bob Taylor, N2MLD ..... [n2mld@juno.com](mailto:n2mld@juno.com)

### Monroe County ARES

Jim DiTucci, N2IXD ..... [n2ixd@arri.net](mailto:n2ixd@arri.net)

### Rochester Amateur Radio Association (RaRa)

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### Rochester Radio Repeater Association (RRRA)

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### Rochester VHF Group (RVHFG)

Andy Flowers, K0SM ..... [aflowers@frontiernet.net](mailto:aflowers@frontiernet.net)

### Squaw Island Amateur Radio Club (SIARC)

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### XEROX Amateur Radio Club (XARC)

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**February e-Rag Deadline**  
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